

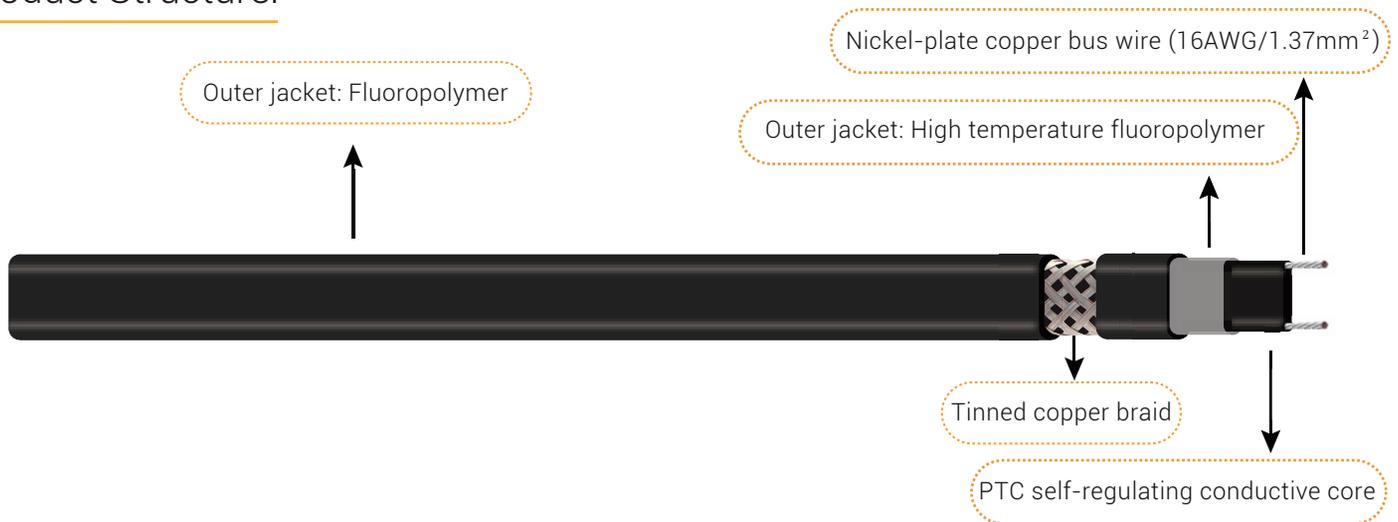


HTU Super-High temperature self-regulating heating cable

Overview:

Jiahong HTU Super-high temperature self-regulating heating cable can be used for freeze protection application and process temperature maintenance within/out steam purge (or the steam purge temperature will be lower than 232°C) in industry area. The maximum maintenance temperature will be up to 190°C. No matter whether the pipeline is overhead or buried installation, HTU heating cable can maintain the temperature and phase structure of the medium in the pipeline or vessel. HTU heating cable is certified by NEPSI (China), EAC(Russia) and IECEx for ex-proof application, as well as to be used in the area which is defined according relative standard.

Product Structure:



The extruded core tape, which made by parallel nickel-plate copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of fluoropolymer are added to tinned copper braid and the outer jacket form a complete structure of HTU heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

Product Feature:

- ◆ HTU heating cable is certified by IECEx, NEPSI (China) and EAC (Russia), including explosion-proof application, which can be used in the explosion area and ordinary safety area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption.
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories.
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product.



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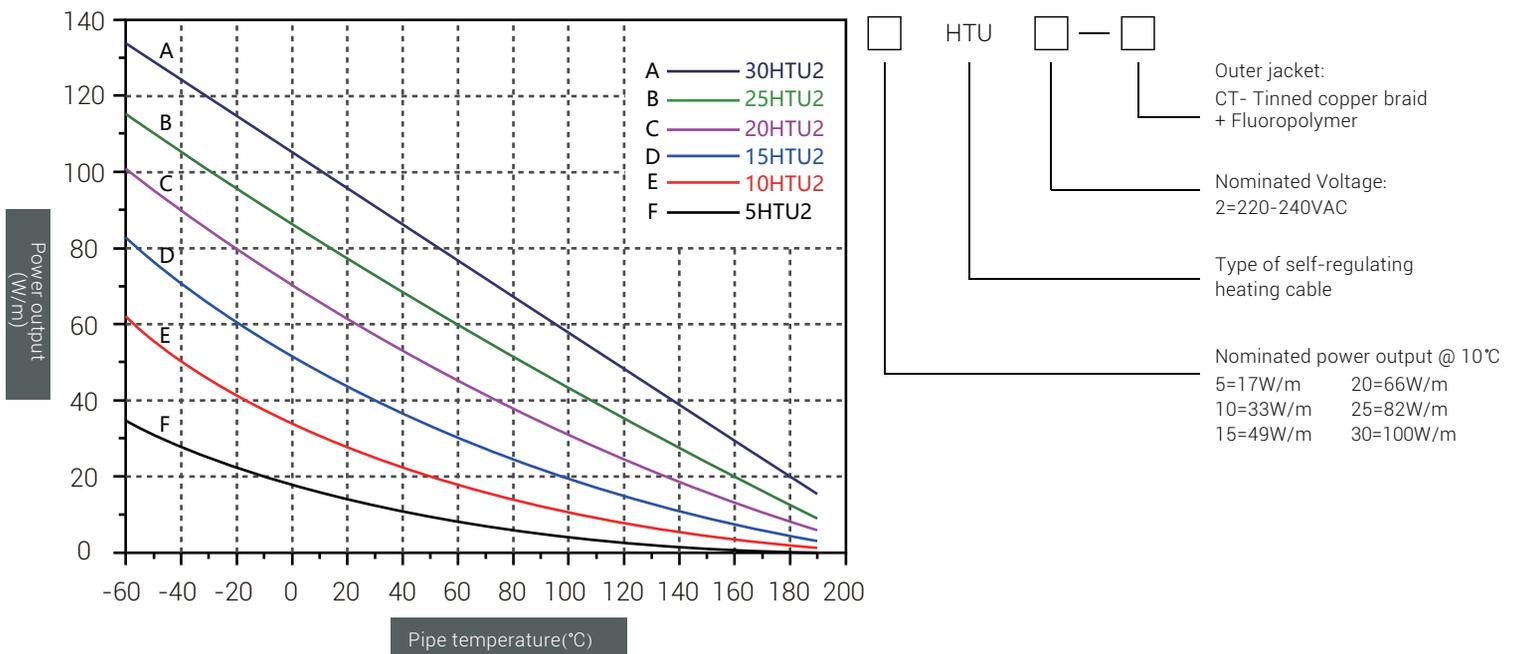




Technical Specification:

Nominated Voltage:	230V (HTU2)
Maximum maintaince temperature:	+190°C (375°F)
Maximum intermittent exposure temperature:	+232°C (475°F)
Temperature classification:	T2
IP level:	IP66/67
Minimum installation temperature:	-60°C (-76°F)
Minimum bending radius:	32mm
Nominated power output @10°C:	17W/m、33W/m、49W/m、66W/m、82W/m、100W/m
Dimension:	CT: 12.4mm (W) ×4.8mm (T)
Approvals mark:	   

Power output curve:



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230V voltage level

Circuit breaker size (A)	Start-up temperature (°C)	Maximum circuit length (m) (Type C circuit breaker based on IEC 60898 standard)					
		5HTU2	10HTU2	15HTU2	20HTU2	25HTU2	30HTU2
16	10	131	88	63	47	40	34
	0	124	79	62	45	38	32
	-10	114	71	57	42	35	30
	-20	105	62	52	40	33	28
	-40	92	53	45	35	30	25
20	10	157	109	78	58	51	42
	0	154	101	78	57	47	40
	-10	142	92	71	53	44	37
	-20	131	84	66	50	42	35
	-40	114	68	57	44	37	31
25	10	175	125	103	73	63	53
	0	171	121	97	71	59	49
	-10	159	113	89	66	55	46
	-20	152	97	82	62	52	44
	-40	141	84	71	55	47	39
32	10	182	125	103	92	81	68
	0	182	125	103	91	76	63
	-10	182	125	103	85	71	59
	-20	182	119	97	79	67	56
	-40	182	120	91	70	60	50
40	10	182	125	103	92	85	78
	0	182	125	103	92	85	78
	-10	182	125	103	92	85	74
	-20	182	125	103	92	84	70
	-40	182	125	103	88	75	63

Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10°C. Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.

2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.

3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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